



**Barcelona
Supercomputing
Center**

Centro Nacional de Supercomputación



Data and diagnostics team activities

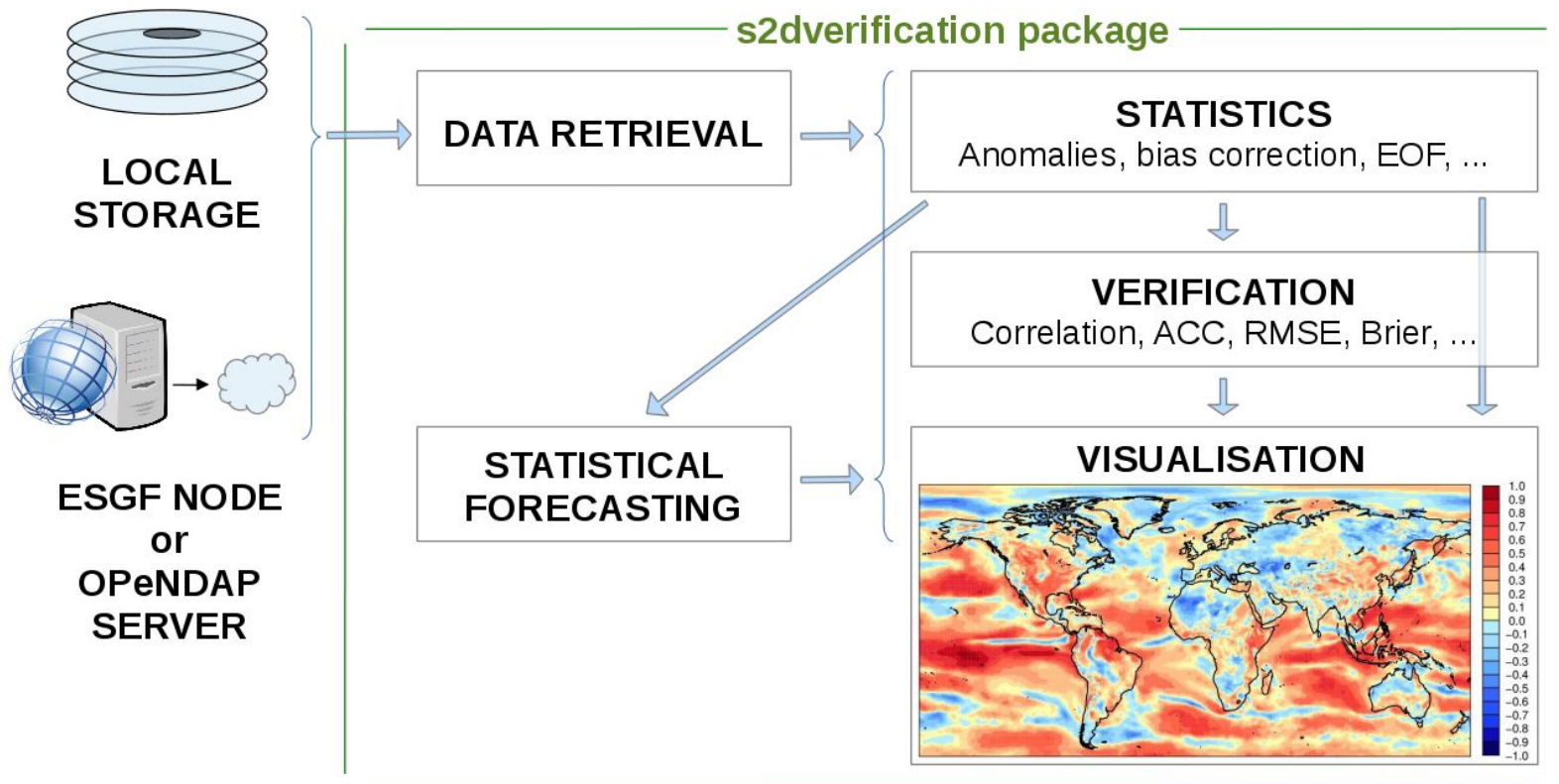
Francesco Benincasa, Pierre-Antoine Bretonnière, Júlia Giner, Nicolau Manubens, Javier Vegas



- Data download: download data from external websites and put them into the common format (PAB, JG).
- Big Data activities: RDA IG, EUDAT data pilot, H2020 EO2 call (FB, PAB)
- Ocean and atmosphere diagnostics development and migration to Python (JV, PAB)
- S2dverification: open-source R package for verification of climate forecasts against observations (NM)

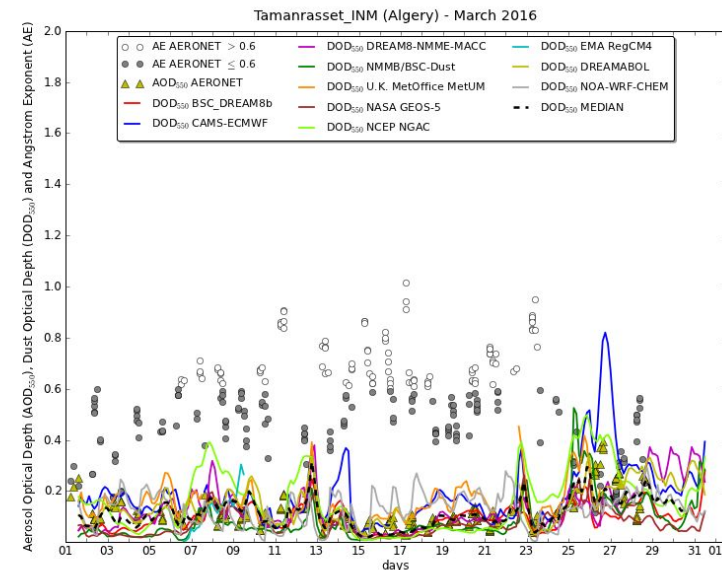
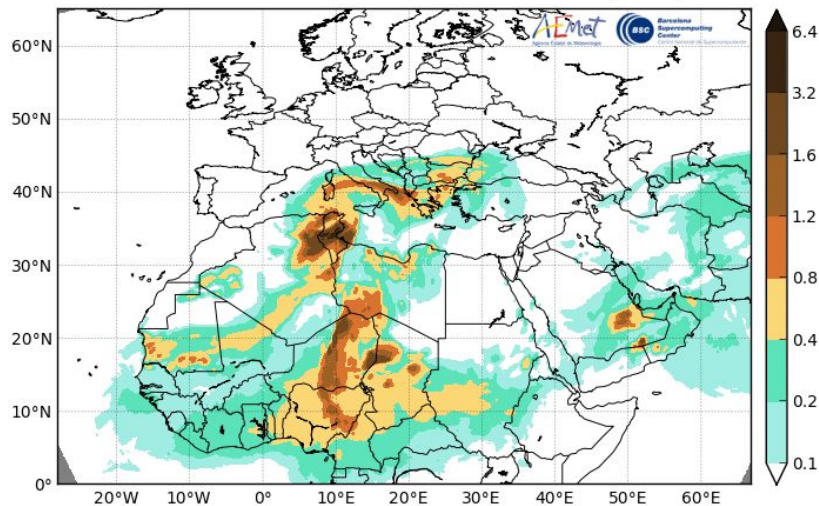
- RDA IG
 - successful BoF in Tokyo, starting the formal procedure to create the IG.
- EUDAT data pilot
 - 350 TB storage requested.
 - contacted the project enabler, in the next weeks the first service (B2SAFE) will be activated.
- H2020 Space calls
 - EO-2-2017: EO Big Data Shift. Contact with ENEA and “Roma Tre” University for a consortium, planning to contact KNMI and a private company. Our participation is supposed to be as coordinator.
 - EO-1-2017: EO Downstream Applications. Started a contact with Max Planck institute to create a consortium for an air quality project. Still not clear.

Develop, maintain and document an open-source R package for verification of climate forecasts against observations, from data retrieval to visualisation of scores.



<https://earth.bsc.es/wiki/doku.php?id=tools:s2dverification>

Barcelona Dust Forecast Center - <http://dust.aemet.es/>
NMMB/BSC-Dust Res:0.1°x0.1° Dust AOD
Run: 12h 22 MAR 2016 Valid: 12h 22 MAR 2016 (H+00)



- Produces
 - forecast and obs maps, evaluation plots (models vs. obs), etc ...
- Use cases
 - <http://dust.aemet.es> (Barcelona Dust Forecast Center)
 - <http://sds-was.aemet.es> (WMO SDS-WAS NA-ME-E RC)
 - <http://www.bsc.es/caliope/es> (CALIOPE)
 - <http://www.bsc.es/earth-sciences/> (NMMB & DREAM)

- Git branching strategy: decide common branching strategy and branch naming conventions (use the ones in s2dverification?)
- Dataset naming convention strategy in esnas: open a wiki page and talk to the users
- Set a deadline for the wiki tools sections migration into GitLab's wiki
- How to deal with Trello cards and multiple teams
- Somebody knows a good XML editor?



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EXCELENCIA
SEVERO
OCHOA

Thank you!